

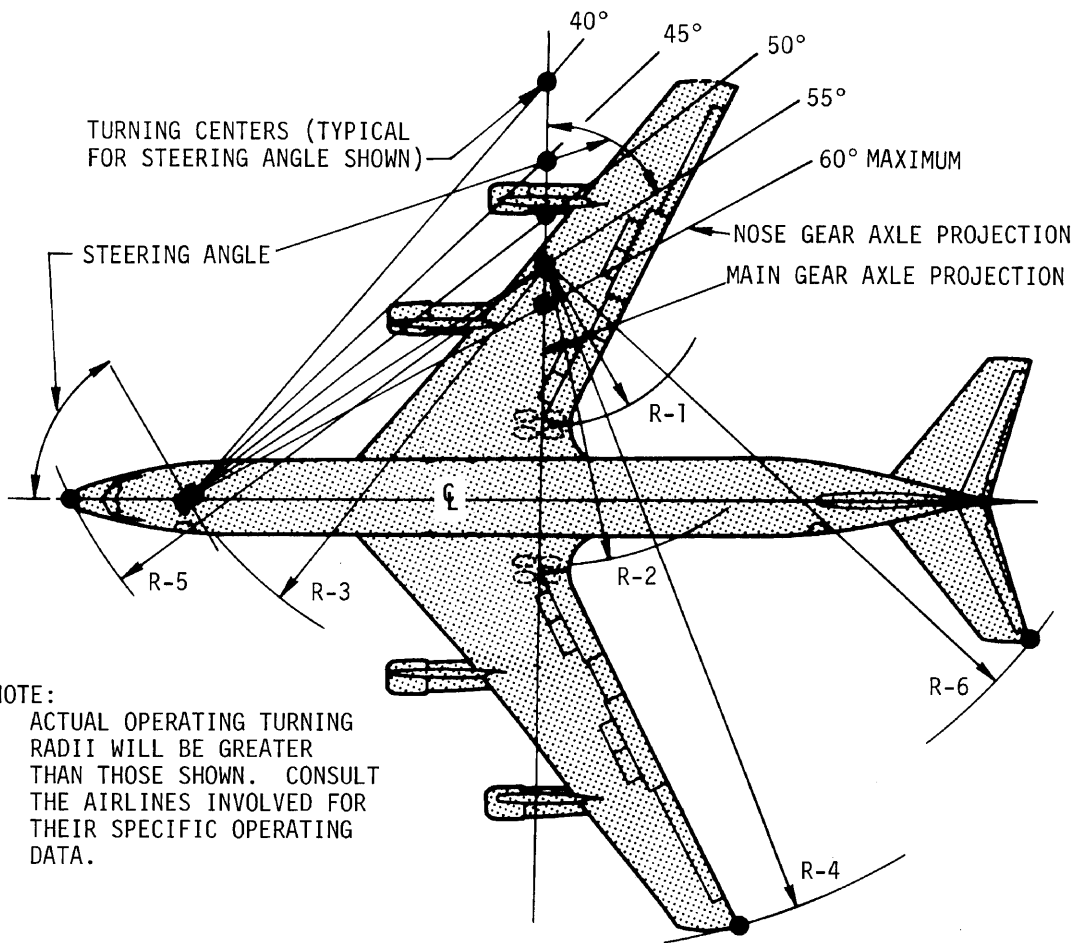
#### 4.0 GROUND MANEUVERING

4.1 Turning Radii

4.2 Runway and Taxiway Turn Paths

4.3 Runway Holding Apron

4.4 Typical Parking Space Requirements



NOTE:  
 ACTUAL OPERATING TURNING RADI  
 I WILL BE GREATER THAN THOSE SHOWN. CONSULT THE AIRLINES INVOLVED FOR THEIR SPECIFIC OPERATING DATA.

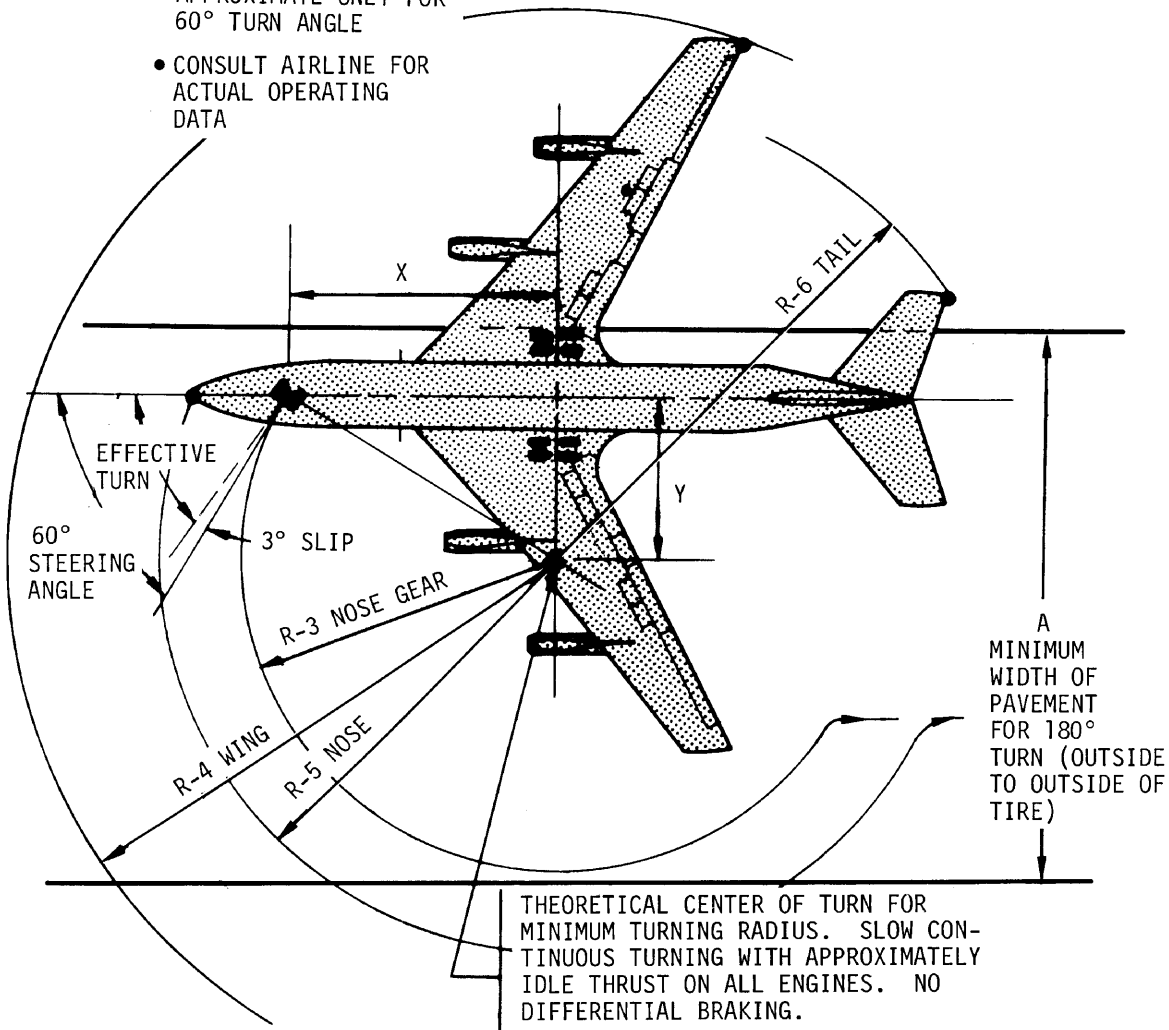
DIMENSIONS ROUNDED TO NEAREST FOOT AND 0.1 METER

STEERING ANGLE (DEGREES)	R-1		R-2		R-3		R-4		R-5		R-6	
	INNER GEAR		OUTER GEAR		NOSE GEAR		WING TIP		NOSE		TAIL	
	FT	M	FT	M	FT	M	FT	M	FT	M	FT	M
30	77	23.5	99	30.2	102	31.1	157	47.9	112	34.1	130	39.6
35	62	18.9	84	25.6	89	27.1	142	43.3	100	30.5	117	35.7
40	50	15.2	72	21.9	79	24.1	129	39.3	91	27.7	107	32.6
45	40	12.2	62	18.9	72	21.9	120	36.6	85	25.9	100	30.5
50	32	9.8	54	16.5	66	20.1	112	34.1	80	24.4	94	28.7
55	25	7.6	47	14.3	62	18.9	105	32.0	77	23.5	90	27.4
60 MAXIMUM	18	5.5	40	12.2	59	18.0	99	30.2	74	22.6	86	26.2

4.1 TURNING RADI — NO SLIP ANGLE  
 MODELS 720, 720B

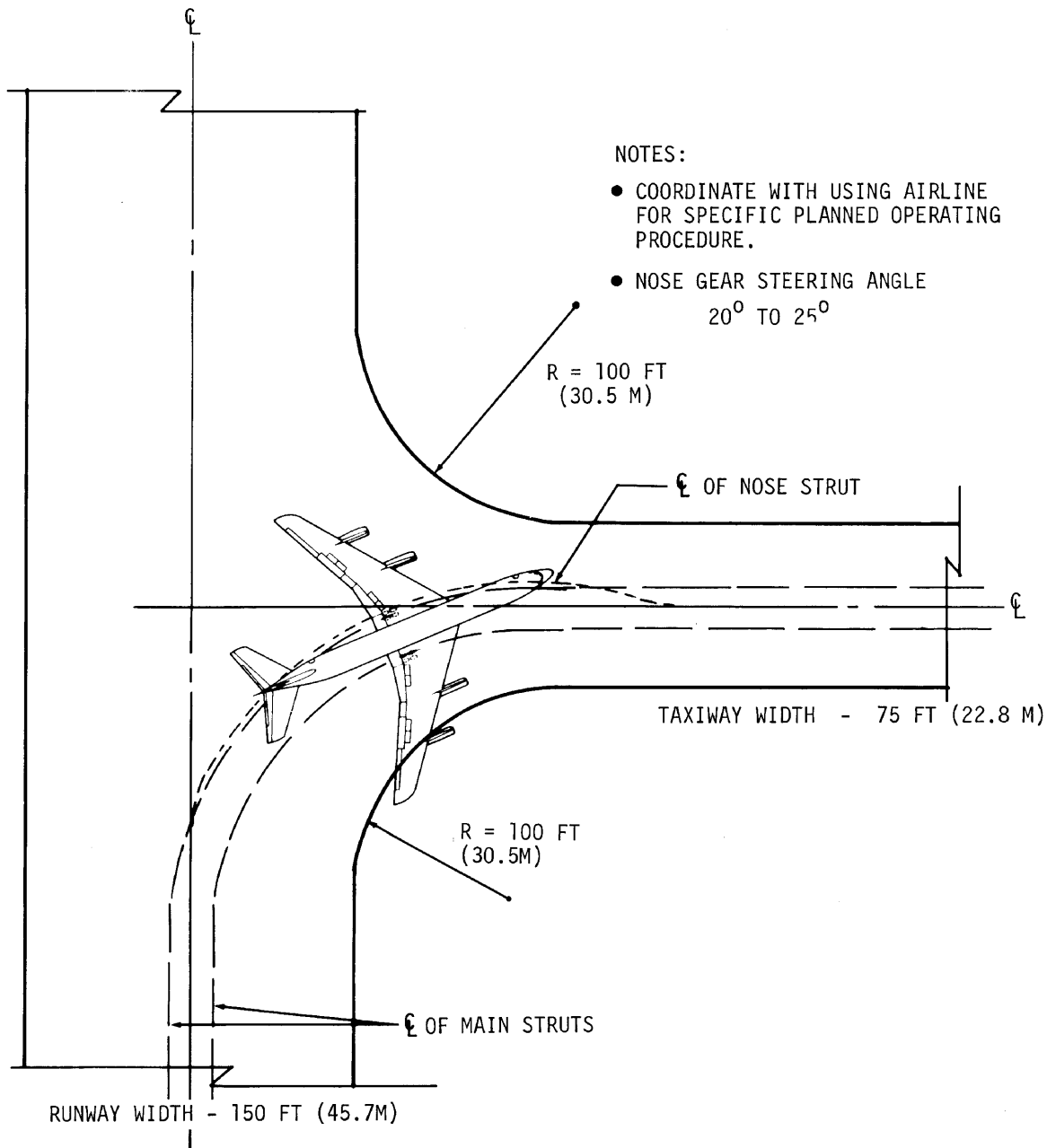
NOTES: • 3° TIRE SLIP ANGLE  
APPROXIMATE ONLY FOR  
60° TURN ANGLE

• CONSULT AIRLINE FOR  
ACTUAL OPERATING  
DATA



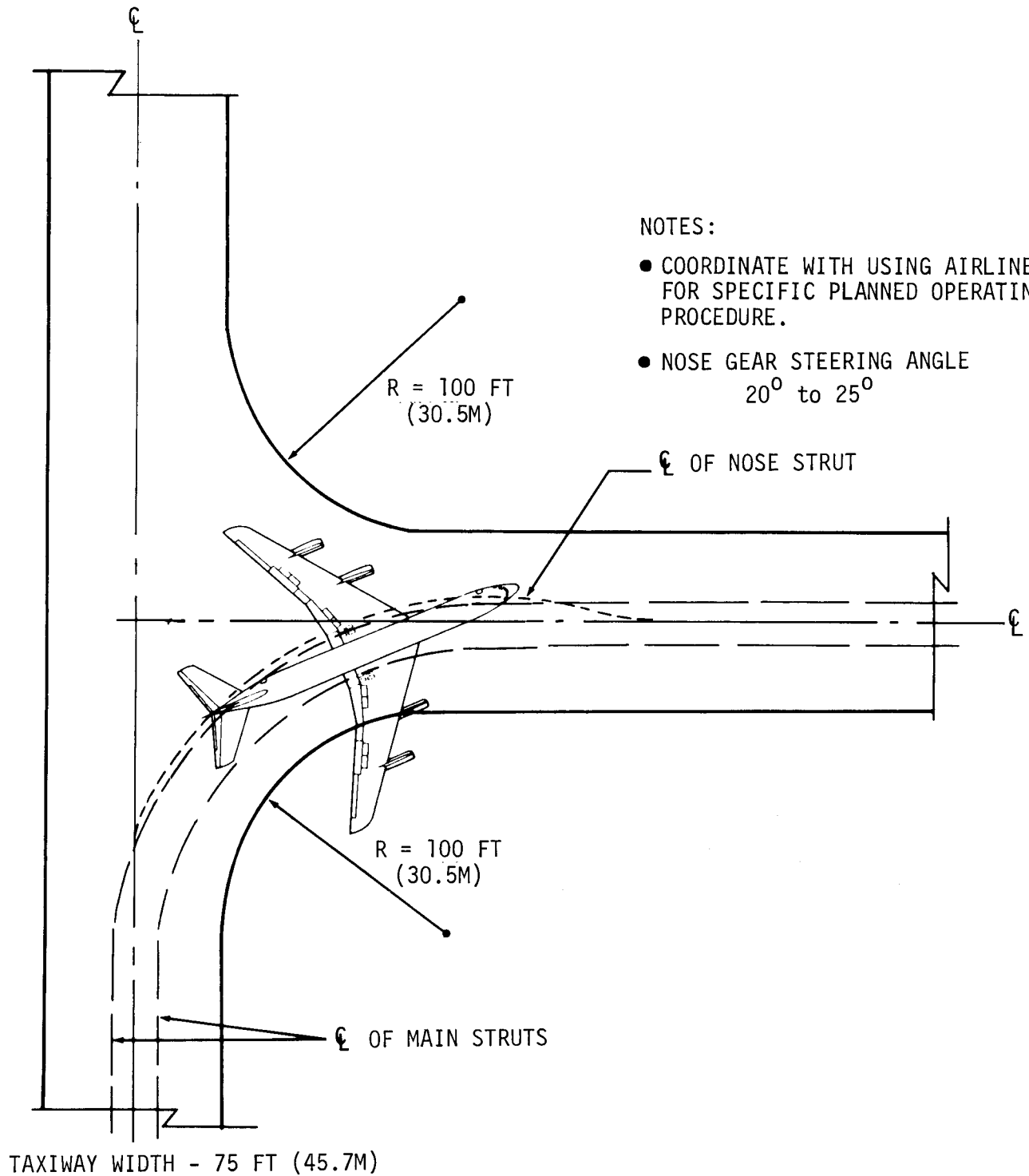
EFFECTIVE TURN ANGLE	X	Y	A	R-3	R-4	R-5	R-6
57°							
FT-IN.	50-7	32-9	107-8	60-5	102-5	75-5	88-0
METERS	15.5	10.0	32.9	18.4	31.2	23.0	26.8

MINIMUM TURNING RADII  
MODELS 720, 720B



4.2 RUNWAY AND TAXIWAY TURN PATHS  
 90° TURN, RUNWAY TO TAXIWAY  
 MODELS 720, 720B

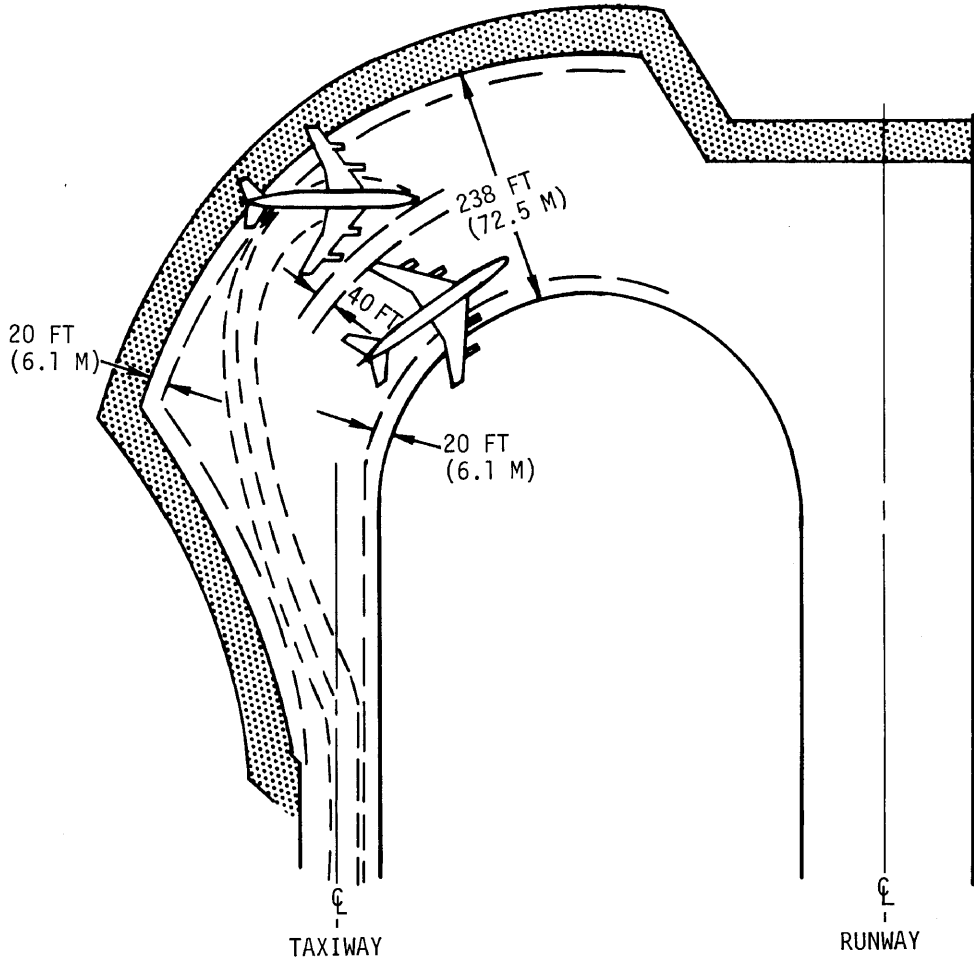




**RUNWAY AND TAXIWAY TURN PATHS**  
**TAXIWAY TO TAXIWAY TURN -  $90^\circ$**   
**MODELS 720, 720B**

NOTES:

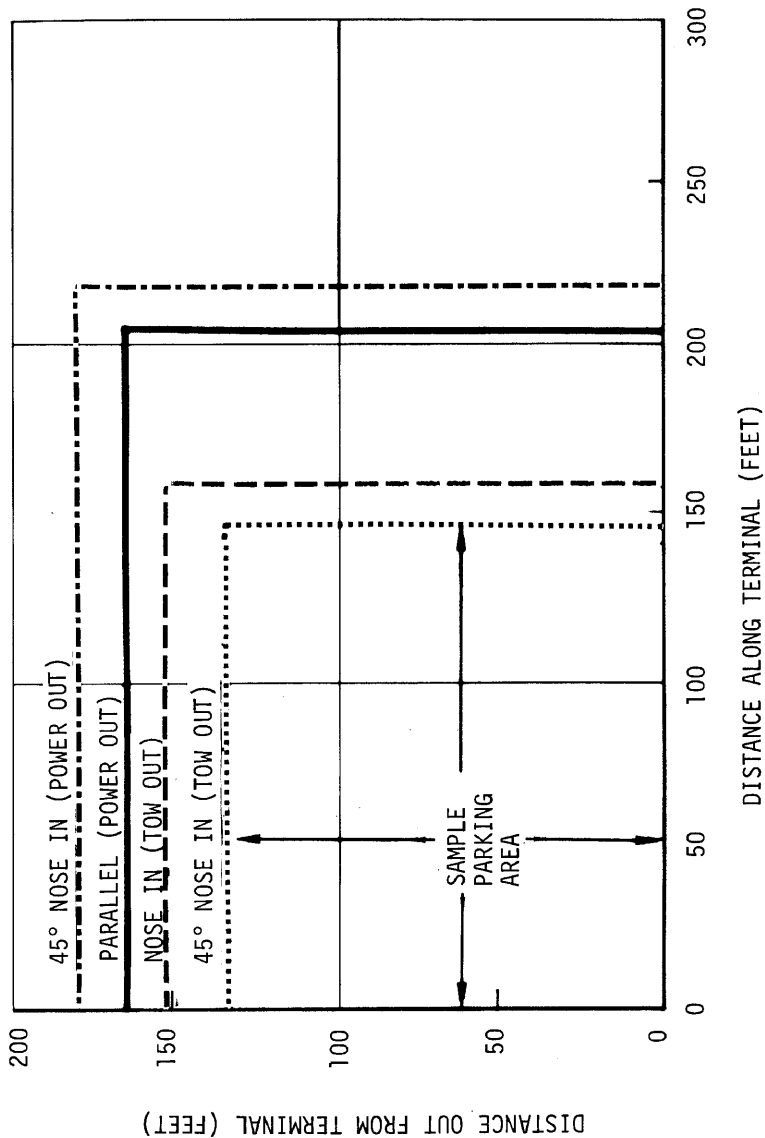
- COORDINATE WITH USING AIRLINE FOR SPECIFIC PLANNED OPERATING PROCEDURE.
- MINIMUM CLEARANCE FOR MOVING AIRCRAFT, 40 FT (12.2 M)



4.3 RUNWAY HOLDING APRON  
MODELS 720, 720B

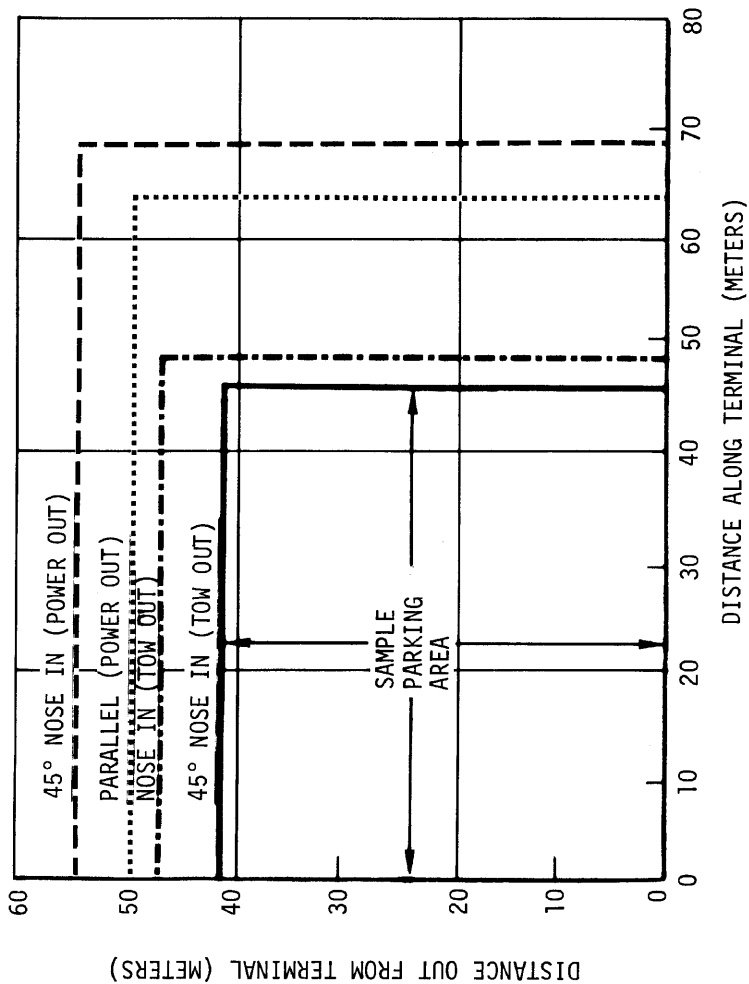
NOTES:

- 60° NOSE WHEEL STEERING (POWER OUT)
- 10-FOOT TRAVEL WITH NOSE WHEEL STRAIGHT AHEAD BEFORE AND AFTER PARKED POSITION (POWER OUT)
- 15-FOOT BUILDING CLEARANCE FOR NOSE-IN PARKING (TOW OUT)
- 25-FOOT BUILDING CLEARANCE FOR OTHER PARKING POSITIONS
- 25-FOOT AIRCRAFT-TO-AIRCRAFT CLEARANCE DURING PARKING MANEUVERS
- COORDINATE WITH USING AIRLINE FOR SPECIFIC PLANNED OPERATING PROCEDURE.



4.4 MINIMUM PARKING SPACE REQUIREMENTS — U.S. MEASUREMENT MODELS 720, 720B

MINIMUM PARKING SPACE REQUIREMENTS — METRIC  
 MODELS 720, 720B



NOTES:

- 60° NOSE WHEEL STEERING (POWER OUT)
- 3-METER TRAVEL WITH NOSE WHEEL STRAIGHT AHEAD BEFORE AND AFTER PARKED POSITION (POWER OUT)
- 4.5-METER BUILDING CLEARANCE FOR NOSE-IN PARKING (TOW OUT)
- 7.6-METER BUILDING CLEARANCE FOR OTHER PARKING POSITIONS
- 7.6-METER AIRCRAFT-TO-AIRCRAFT CLEARANCE DURING PARKING MANEUVERS
- COORDINATE WITH USING AIRLINE FOR SPECIFIC PLANNED OPERATING PROCEDURE.

(Page Intentionally Left Blank)